Lifestyle Indices - UV Index - v2

Domain Portfolio: Forecast | Domain: Lifestyle - Indices | Usage Classification: Standard

Geography: Global **Attribution Required:** n/a **Attribution Requirements:** n/a

Your content licensing agreement with TWC determines the number of days returned in the API response and is constrained by the API Key that is provided to your company.

Overview

The Forecast Indices API is sourced from the TWC Forecast system. The UV Index provides indices of the intensity of the solar radiation level and risk of skin damage due to exposure.

HTTP Headers and Data Lifetime - Caching and Expiration

For details on appropriate header values as well as caching and expiration definitions, please see **The Weather Company Data | API Common Usage Guide**.

URL Construction

Atomic API URL Examples:	
UV Index - Fifteen Minute API	
Request by Geocode (Latitude & Longitude): Required Parameters: geocode, language, format https://api.weather.com/v2/indices/uv/fifteenminute?**geocode=33.74,-84.39**&language=en-US&format=<json>&**apiKey=yourApiKey**	**Aggregate Product Name**
https://api.weather.com/v2/indices/uv/fifteenminute?geocode=33.74,-84.39&language=en-US&format=json&apiKey=**yourApiKey**	v2idxUVFifteenMinute
Request by Postal Code: Required Parameters: postalCode, countryCode, language, format https://api.weather.com/v2/indices/uv/fifteenminute?**postalCode=94608**&**countryCode=US**&format=<json>&language=en-US&**apiKey=yourApiKey**	**Aggregate Product Name**
https://api.weather.com/v2/indices/uv/fifteenminute?postalCode=94608&countryCode=US&format=json&language=en-US&apiKey=**yourApiKey**	v2idxUVFifteenMinute
UV Index - Current Conditions API	
Request by Geocode (Latitude & Longitude): Required Parameters: geocode, language, format https://api.weather.com/v2/indices/uv/current?**geocode=33.74,-84.39**&language=en-US&format=<json>&**apiKey=yourApiKey**	**Aggregate Product Name**
https://api.weather.com/v2/indices/uv/current?geocode=33.74,-84.39&language=en-US&format=json&apiKey=**yourApiKey**	v2idxUVcurrent
Request by Postal Code: Required Parameters: postalCode, countryCode, language, format https://api.weather.com/v2/indices/uv/current?**postalCode=94608**&**countryCode=US**&format=<json>&language=en-US&**apiKey=yourApiKey**	**Aggregate Product Name**
https://api.weather.com/v2/indices/uv/current?postalCode=94608&countryCode=US&format=json&language=en-US&apiKey=**yourApiKey**	v2idxUVcurrent
UV Index - Daypart API	

Request by Geocode (Latitude & Longitude): Required Parameters: geocode, language, format https://api.weather.com/v2/indices/uv/daypart/<duration>?**geocode=33.74,-84.39**&language=en-US&format=<json>&**apiKey=yourApiKey**	**Aggregate Product Name**
https://api.weather.com/v2/indices/uv/daypart/3day?geocode=33.74,-84.39&language=en-US&format=json&apiKey=**yourApiKey**	v2idxUVDaypart3
https://api.weather.com/v2/indices/uv/daypart/5day?geocode=33.74,-84.39&language=en-US&format=json&apiKey=**yourApiKey**	v2idxUVDaypart5
https://api.weather.com/v2/indices/uv/daypart/7day?geocode=33.74,-84.39&language=en-US&format=json&apiKey=**yourApiKey**	v2idxUVDaypart7
https://api.weather.com/v2/indices/uv/daypart/10day?geocode=33.74,-84.39&language=en-US&format=json&apiKey=**yourApiKey**	v2idxUVDaypart10
https://api.weather.com/v2/indices/uv/daypart/15day?geocode=33.74,-84.39&language=en-US&format=json&apiKey=**yourApiKey**	v2idxUVDaypart15
Request by Postal Code: Required Parameters: postalCode, countryCode, language, format https://api.weather.com/v2/indices/uv/daypart/<duration>?**postalCode=94608**&**countryCode=US**&format=<json>&language=en-US&**apiKey=yourApiKey**	**Aggregate Product Name**
https://api.weather.com/v2/indices/uv/daypart/3day?postalCode=94608&countryCode=US&format=json&language=en-US&apiKey=**yourApiKey**	v2idxUVDaypart3
UV Index - Hourly API	
Request by Geocode (Latitude & Longitude): Required Parameters: geocode, language, format https://api.weather.com/v2/indices/uv/hourly/<duration>?**geocode=33.74,-84.39**&language=en-US&format=<json>&**apiKey=yourApiKey**	**Aggregate Product Name**
https://api.weather.com/v2/indices/uv/hourly/24hour?geocode=33.74,-84.39&language=en-US&format=json&apiKey=**yourApiKey**	v2idxUVhourly24
https://api.weather.com/v2/indices/uv/hourly/48hour?geocode=33.74,-84.39&language=en-US&format=json&apiKey=**yourApiKey**	v2idxUVhourly48
https://api.weather.com/v2/indices/uv/hourly/72hour?geocode=33.74,-84.39&language=en-US&format=json&apiKey=**yourApiKey**	v2idxUVhourly72
https://api.weather.com/v2/indices/uv/hourly/120hour?geocode=33.74,-84.39&language=en-US&format=json&apiKey=**yourApiKey**	v2idxUVhourly120
https://api.weather.com/v2/indices/uv/hourly/240hour?geocode=33.74,-84.39&language=en-US&format=json&apiKey=**yourApiKey**	v2idxUVhourly240
https://api.weather.com/v2/indices/uv/hourly/360hour?geocode=33.74,-84.39&language=en-US&format=json&apiKey=**yourApiKey**	v2idxUVhourly360
Request by Postal Code: Required Parameters: postalCode, countryCode, language, format https://api.weather.com/v2/indices/uv/hourly/<duration>?**postalCode=94608**&**countryCode=US**&format=<json>&language=en-US&**apiKey=yourApiKey**	**Aggregate Product Name**
https://api.weather.com/v2/indices/uv/hourly/24hour?postalCode=94608&countryCode=US&format=json&language=en-US&apiKey=**yourApiKey**	v2idxUVhourly24

Data Elements & Definitions

API Name	Field Name	Description	Type	Range	Sample	Nulls Allowed	Usage
Repeating Elements: Unique to Current							
	obsTime	Time observation is valid	[epoch]		1369252800	N	Display As Provided

	obsTimeLocal	Time observation is valid ... . in local, but at top of next UTC hour	[ISO]		2013-05-22T20:00:00-0400	N	Display As Provided
Repeating Elements: Unique to Forecast							
	fcstValid	Time forecast is valid ... start of the forecast period, always 7am local time.	[epoch]		1369306800	N	Display As Provided
	fcstValidLocal	Time forecast is valid ... start of the forecast period, always 7am local time.	[ISO]		2013-05-23T07:00:00-0400	N	Display As Provided
Repeating Elements: Common Per Time Segment							
Unique to Hourly	dow	Forecast valid day of week	[string]		Wednesday	N	Display As Provided
	num	Daypart Segment (12hour) - Sequential daypart number, where 1 = daytime of Day 0 Short-Range - Sequential hour number, where 1 = first available 15-minute timestep of forecast, usually <= 15 minutes from “now” Long - Range - Sequential hour number, where 1 = first available hour of forecast, usually <= 1hr from “now”	[integer]		21	N	Display As Provided
	dayInd	Day / Night Indicator	[string]	D, N	D	N	Display As Provided
Unique to Daypart	daypartName	Name of 12hr daypart, not including day names in first 48hrs	[string]		Tomorrow	N	Display As Provided
Atomic Indices							
UV Index	uvIndex	TWC-created UV index Current 12 Hour - 12hr daypart maximum UV Index. N/A (null) at NIGHT 1 Hour - Short-Range & Long Range Hourly UV Index 15 Minute - Short-Range UV Index Value of 0 used when nighttime. During daytime, value will be between 1-11 1-2=Low, 3-5=Moderate, 6-7=High, 8-10= Very High, 11=Extreme	[integer]	0-11	6	N	Display As Provided
	uvWarning	TWC-created UV warning based on UV index of XX or greater	bool		1	N	Display As Provided
	uvDesc	Descriptive text of UV Index 0-2=Low, 3-5=Moderate, 6-7=High, 8-10= Very High, 11=Extreme	[string]		Low	N	Display As Provided
	uvIndexRaw	12 Hour - 12hr daypart untruncated maximum UV Index. N/A (null) at NIGHT 1 Hour - Short-Range & Long Range Hourly Untruncated UV Index 15 Minute - Short-Range Untruncated UV Index	[float]	0-16	2.13	N	Display As Provided

JSON Sample

JSON Sample - Current Conditions


```
{
"metadata": {},
"uvIndexCurrent": {
"obsTime": 1458921900,
"obsTimeLocal": "2016-03-25T12:05:00-0400",
"dow": "Friday",
"dayInd": "D",
"uvIndex": 4,
"uvDesc": "Moderate",
"uvWarning": 0
}
}
```


JSON Sample - 15 Minute


```
{
"metadata": {},
"uvIndex15minute": {          {//JSON payload},
"fcstValid": [],              {//JSON payload},
"fcstValidLocal": [],         {//JSON payload},
"num": [],                    {//JSON payload},
"dayOfWeek": [],              {//JSON payload},
"dayInd": [],                 {//JSON payload},
"uvIndex": [],                {//JSON payload},
"uvDesc": [],                 {//JSON payload},
"uvWarning": [],              {//JSON payload},
"uvIndexRaw": []              {//JSON payload},
}
}
```


JSON Sample - Hourly


```
{
"metadata": {},
"uvIndex1hour": {     {//JSON payload},
"fcstValid": [],      {//JSON payload},
"fcstValidLocal": [], {//JSON payload},
"num": [],            {//JSON payload},
"dow": [],            {//JSON payload},
"dayInd": [],         {//JSON payload},
"uvIndex": [],        {//JSON payload},
"uvDesc": [],         {//JSON payload},
"uvWarning": [],      {//JSON payload},
"uvIndexRaw": []      {//JSON payload},
}
}
```


JSON Sample - Daypart


```
{
"metadata": {},
"uvIndex12hour": {          {//JSON payload},
"fcstValid": [],            {//JSON payload},
"fcstValidLocal": [],       {//JSON payload},
"dayInd": [],               {//JSON payload},
"num": [],                  {//JSON payload},
"daypartName": [],          {//JSON payload},
"uvIndex": [],              {//JSON payload},
"uvDesc": [],               {//JSON payload},
"uvWarning": [],            {//JSON payload},
"uvIndexRaw": []            {//JSON payload},
}
}
```